



Product: [658GMS](#) 

Access Control, 18c (#22-6c Foil, #22-4c, #22-4c, #18-4c), CMP, Banana Peel®

Product Description

Access Control Cable, Plenum-CMP, 6-22 AWG conductors with Beldfoil® shield, 4-22 AWG conductors, 4-22 AWG conductors, 4-18 AWG conductors, All conductors stranded bare copper with Flamarrest® insulation, Each cable has Flamarrest® jacket, Banana Peel® No overall jacket

Technical Specifications

Product Overview

Suitable Applications:	Access Control, Security System, Power Limited Controls
Patent:	This product has one or more applicable patents. More information on patents can be found at https://www.belden.com/resources/patents .

Construction Details

Conductor

Element Description	Element	Number of Element	AWG	Stranding	Material
Card Reader	Conductor(s)	6	22	7x30	BC - Bare Copper
Door Contact	Conductor(s)	4	22	7x30	BC - Bare Copper
REX/Spare	Conductor(s)	4	22	7x30	BC - Bare Copper
Lock Power	Conductor(s)	4	18	7x26	BC - Bare Copper

Insulation

Element Description	Element	Material	Thickness	Nom. Insulation Diameter	Color Code
Card Reader	Conductor(s)	PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	0.047 in (1.2 mm)	Black, Red, White, Green, Brown, Blue
Door Contact	Conductor(s)	PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	0.064 in (1.6 mm)	Black, Red, White, Green
REX/Spare	Conductor(s)	PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	0.064 in (1.6 mm)	Black, Red, White, Green
Lock Power	Conductor(s)	PVC - Polyvinyl Chloride	0.010 in (0.25 mm)	0.047 in (1.2 mm)	Black, Red, White, Green

Inner Shield

Element Description	Element	Shield Type	Material	Coverage	Drainwire Type
Card Reader	Conductor(s)	Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC
Door Contact	Conductor(s)	No Shield			
REX/Spare	Conductor(s)	No Shield			
Lock Power	Conductor(s)	No Shield			

Inner Jacket

Element Description	Element	Material	Nom. Diameter	Ripcord	Color
Card Reader	Conductor(s)	PVC - Polyvinyl Chloride	0.179 in (4.55 mm)	Yes	Orange
Door Contact	Conductor(s)	PVC - Polyvinyl Chloride	0.147 in (3.73 mm)	Yes	White
REX/Spare	Conductor(s)	PVC - Polyvinyl Chloride	0.147 in (3.73 mm)	Yes	Blue
Lock Power	Conductor(s)	PVC - Polyvinyl Chloride	0.19 in (4.8 mm)	Yes	Gray

Outer Jacket

Nom. Diameter
0.401 in

Table Notes:	Banana Peel®
Cable Diameter (Nominal):	0.401 in (10.2 mm)

Electrical Characteristics

Electricals

Element Description	Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Shield	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Card Reader	Conductor(s)	16.4 Ohm/1000ft (53.8 Ohm/km)	13.9 Ohm/1000ft (45.6 Ohm/km)	33 pF/ft (110 pF/m)	60 pF/ft (200 pF/m)		2.2 Amps per Conductor at 25°C
Door Contact	Conductor(s)	16.4 Ohm/1000ft (53.8 Ohm/km)		25 pF/ft (82 pF/m)	60 pF/ft (200 pF/m)		2.2 Amps per Conductor at 25°C
REX/Spare	Conductor(s)	16.4 Ohm/1000ft (53.8 Ohm/km)		25 pF/ft (82 pF/m)			2.2 Amps per Conductor at 25°C
Lock Power	Conductor(s)	6.5 Ohm/1000ft (21 Ohm/km)	13.9 Ohm/1000ft (45.6 Ohm/km)	30 pF/ft (98 pF/m)		60 pF/ft (200 pF/m)	4 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V (UL CMP)

Mechanical Characteristics

Temperature

UL Rating	Operating
0°C to +75°C	0°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
4.0 in (100 mm)	4.0 in (100 mm)

Max. Pull Tension:	217 lbs (98.4 kg)
Bulk Cable Weight:	94 lbs/1000ft (140 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Sustainability:	Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Fire Resistance:	NFPA 262, FT6, FT6, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	558GMS

Product Notes

Notes:	Cold environment installation: When installing cables that have been stored at ambient temperatures of 32 degrees Fahrenheit (0 degrees Centigrade) or lower, Belden recommends conditioning of the cable for 12 hours at room temperature prior to individual cable leg separation.
--------	--

History

Update and Revision:	Revision Number: 0.328 Revision Date: 08-27-2021
----------------------	--

© 2021 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.